

(54) SEMICONDUCTOR LIGHT EMITTING DEVICE

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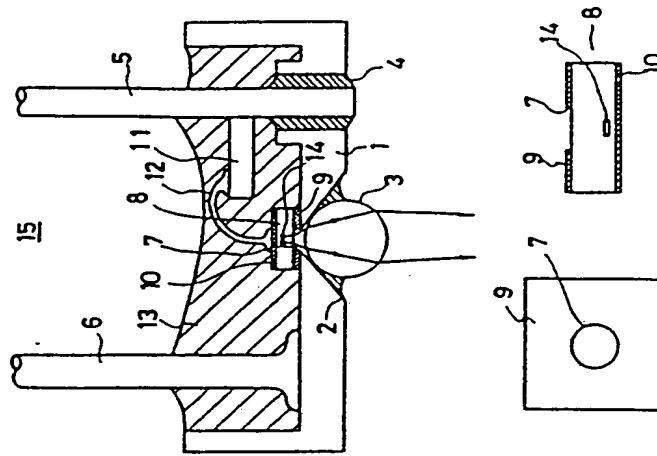
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PURPOSE: To realize a precise alignment of an optical axis by a method wherein a planar light emitting element is positioned so as to face toward a lens through the intermediary of an opening of a light emitting window and sealed with sealing resin.

CONSTITUTION: An opening 2, which is so formed as to get gradually broader in diameter with outward distance, is provided at a floor section of a metallic stem 1, with which a ball lens is connected. A lead pin 5 through intermediary of an insulating component 4 and a lead pin 6 not insulated are uprightly provided at prescribed positions of the metallic stem floor. A planar light emitting element 8 is die-bonded to the metallic stem 1 floor so as to render a light emitting window 7 to face toward the opening 2. An electrode 9 is provided on one side of the planar light emitting element 8 so as to leave the light emitting window open and an electrode 10 is provided on the other side of the element 8. The electrode 10 is connected with a protruding part 11 of the pin 5 with gold wire. And, the metallic stem 1 is filled with epoxy resin 13.



LEGENDE zu den Bibliographicdaten

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